



D33

# STIC Search Report

**EIC 1700**

STIC Database Tracking Number: 106073

**TO: Terrence R. Till**  
**Location: CP3 7D33**  
**Art Unit : 1744**  
**October 16, 2003**

**Case Serial Number: 09/122541**

**From: Kendra Mellerson**  
**Location: EIC 1700**  
**CP3/4-3D62**  
**Phone:308-4483**

**Kendra.Mellerson@uspto.gov**

## Search Notes

No Cases Reported

**Mellerson, Kendra**

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**From:** Till, Terrence  
**Sent:** Thursday, October 16, 2003 10:20 AM  
**T :** STIC-EIC1700  
**Subject:** litigation request

Could you please research the following patents for any litigation:

6,026,540

6,101,670

5,920,952

Thankyou

*Terrence R. Till*

**Terrence R. Till**

**Art Unit 1744**

**(703) 308-1592**

PATNO IS 6026540

DATE: OCTOBER 16, 2003  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 6026540

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6026540 , February 22, 2000 , Upright vacuum cleaner with cyclonic airflow, Wright, Michael F. - Stow, Ohio, United States (US); Thur, Charles J. - Mentor, Ohio, United States (US); Latimer, Brett A. - Mentor, Ohio, United States (US); Stephens, Paul D. - Cleveland Hts., Ohio, United States (US); Cipolla, Mark E. - Chardon, Ohio, United States (US), 122541 (09), Royal Appliance Mfg. Co., Cleveland, Ohio, United States (US), 02, July 24, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ROYAL APPLIANCE MFG. CO. 650 ALPHA DRIVE CLEVELAND OHIO 44143, Reel and Frame Number: 009349/0801 November 9, 1998 - RE-RECORD TO CORRECT ASSIGNOR'S NAME ON A DOCUMENT PREVIOUSLY RECORDED ON 7-2 4-98 AT REEL 9349, FRAME 0801., ROYAL APPLIANCE MFG. CO. 650 ALPHA DRIVE CLEVELAND OHIO 44143, Reel and Frame Number: 009447/0028 April 3, 2000 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., NATIONAL CITY BANK NATIONAL CITY CENTER 1900 EAST NINTH STREET CLEVELAND OHIO 44114, Reel and Frame Number: 010685/0797 July 3, 2002 - SECURITY AGREEMENT AND COLLATERAL AGREEMENT, NATIONAL CITY BANK 1900 EAST NINTH STREET CLEVELAND OHIO 44114, Reel and Frame Number: 013036/0560

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6026540

<=1> GET 1st DRAWING SHEET OF 20

February 22, 2000

Upright vacuum cleaner with cyclonic airflow

REISSUE: February 12, 2002 - Reissue Application filed Ex. Gp.: 1744; Re. S.N. 10/074,615 (O.G. August 27, 2002)

APPL-NO: 122541 (09)

FILED-DATE: July 24, 1998

GRANTED-DATE: February 22, 2000

6026540 OR 6,026,540

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

Questel·Orbit QWEB

Current session 16/10/2003

Query/Command : N

..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,76  
The cost estimation below is based on Questel's  
standard price list  
Estimated cost : 0.70 USD  
Cost estimated for the last database search : 0.70 USD  
Estimated total session cost : 0.70 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database  
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE  
Last update of file: 2003/10/15 ( YYYY/MM/DD) 2003-41/UP (basic update)

Search statement 1

Query/Command : US6026540/PN

\*\* SS 1: Results 1

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

I / I PLUSPAT - ©QUESTEL-ORBIT - image		
PN	-	US6026540 A 20000222 [US6026540]
TI	-	(A) Upright vacuum cleaner with cyclonic airflow
PA	-	(A) ROYAL APPLIANCE MFG (US)
PA0	-	Royal Appliance Mfg. Company, Cleveland OH [US]

Questel-Orbit QWEB

<b>IN</b>	-	(A) WRIGHT MICHAEL F (US); THUR CHARLES J (US); LATIMER BRETT A (US); STEPHENS PAUL D (US); CIPOLLA MARK E (US)
<b>AP</b>	-	US12254198 19980724 [1998US-0122541]
<b>FD</b>	-	C.I.P. of US004999 19980109 [1998US-0004999]
<b>PR</b>	-	US12254198 19980724 [1998US-0122541] US499998 19980109 [1998US-0004999]
<b>IC</b>	-	(A) A47L-009/10
<b>EC</b>	-	A47L-005/28 A47L-009/12 A47L-009/16 B01D-039/16K B01D-050/00B B04C-009/00
<b>PCL</b>	-	ORIGINAL (O) : 015347000; CROSS-REFERENCE (X) : 015353000
<b>DT</b>	-	Corresponding document
<b>CT</b>	-	US2316836; US2394923; US2507897; US2516707; US2921646; US3177635; US3320 US3797064; US3820310; US3910781; US4072483; US4108778; US4118208; US4172 US4198726; US4268288; US4276070; US4284422; US4355434; US4373228; US4443 US4457043; US4486206; US4571772; US4573236; US4593429; US4643748; US4718 US4769052; US4826515; US4853008; US4853011; US4944780; US5062870; US5078 US5090975; US5090976; US5101532; US5145499; US5160356; US5230722; US5248 US5267371; US5271751; US5287591; US5307538; US5427597; US5464460; US5593 US5603741; US5685894; US5704956; US5779745; GB1049292; GB2265096; GB228 WO8402282
<b>STG</b>	-	(A) United States patent
<b>AB</b>	-	An upright vacuum cleaner (A) includes an upright housing section (B) and a nozzle sec cyclonic airflow dirt and dust separating chamber (54) is defined in said upright housing suction source (E) pulls air and entrained dirt, dust, and other contaminants through a m opening (26) formed in the underside (24) of the nozzle and into the cyclonic airflow ch The cyclonic airflow chamber causes the suctionairstream to travel in a cyclonic path su entrained contaminants are separatedtherefrom and deposited into a dirt container (52) th the lower portion of the chamber (54). A main filter element (H) filters residual contami the suctionairstream between the chamber and the suction source. The main filter eleme preferably made from high-density polyethylene porous filter media. A final filter assem filters the suctionairstream discharged by the suction source to ensure that the air discha the atmosphere is contaminant free, including those contaminants introduced into theairst the suction source itself.
<b>UP</b>	-	2000-10
1 / 1 LGST - ©EPO		
<b>PN</b>	-	US6026540 A 20000222 [US6026540]
<b>AP</b>	-	US12254198 19980724 [1998US-0122541]
<b>DT</b>	-	US-A
<b>ACT</b>	-	20020827 US/RF-A REISSUE APPLICATION FILED



EFFECTIVE DATE: 20020212	
UP	2003-22
1 / 1 CRXX - ©CLAIMS/RRX	
PN	6,026,540 A 20000222 [US6026540]
PA	Royal Appliance Manufacturing Co
ACT	20000403 REASSIGNED SECURITY INTEREST  Assignor: ROYAL APPLIANCE MFG., CO. DATE SIGNED: 03/07/2000  Assignee: NATIONAL CITY BANK NATIONAL CITY CENTER 1900 EAST NINTH STREET CLEVELAND OHIO 44114  Reel 010685/Frame 0797  Contact: JONES, DAY, REAVIS & POGUE JOHN W. SAGER NORTH POINT 901 LAKESIDE AVENUE CLEVELAND, OH 44114   20020212 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020827 REISSUE REQUEST NUMBER: 10/074615 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1744  Reissue Patent Number:   20020703 REASSIGNED SECURITY AGREEMENT AND COLLATERAL AGREEMENT  Assignor: ROYAL APPLIANCE MFG. CO. DATE SIGNED: 04/01/2002  Assignee: NATIONAL CITY BANK 1900 EAST NINTH STREET CLEVELAND OH 44114  Reel 013036/Frame 0560  Contact: JONES, DAY, REAVIS & POGUE DAVID B. COCHRAN, ESQ. 901 LAKE AVENUE CLEVELAND, OH 44114

Query/Command : FILE INPADOC

PLUSPAT

- Time in minutes : 0,30

## Questel·Orbit QWEB

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.69	USD
Records displayed and billed :	1		
	Estimated cost :	1.25	USD
Cost estimated for the last database search :	1.94	USD	
Estimated total session cost :	2.64	USD	

LGST - Time in minutes : 0,03

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.03	USD
Records displayed and billed :	1		
	Estimated cost :	0.60	USD
Legal-Status informations :	1		
	Estimated cost :	0.50	USD
Cost estimated for the last database search :	1.13	USD	
Estimated total session cost :	3.77	USD	

CRXX - Time in minutes : 0,08

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.14	USD
Records displayed and billed :	1		
	Estimated cost :	5.30	USD
Legal-Status informations :	1		
	Estimated cost :	0.50	USD
Cost estimated for the last database search :	5.94	USD	
Estimated total session cost :	9.71	USD	

LITA - Time in minutes : 0,00

The cost estimation below is based on Questel's standard price list

Estimated total session cost :	9.71	USD	
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Selected file: INPADOC

You are now connected to INPADOC  
Covers 1968/1973 thru weekly updates (2003-41)  
For information on content, (..)INFO INPD.

Search statement 1

Query/Command : FAM US6026540/PN

1 Patent Groups

**\*\* SS 2: Results 28**

Search statement 3

Query/Command : FAMSTATE NONSTOP

## 1 / 28 INPADOC - ©INPADOC

<b>PN</b>	-	CA 2355226 AA 20000622 [CA2355226]
<b>TI</b>	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
<b>LA</b>	-	ENG
<b>IN</b>	-	WRIGHT MICHAEL F [US]; BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]
<b>PA</b>	-	ROYAL APPLIANCE MFG [US]
<b>AP</b>	-	CA 2355226/99-A 19991217 [1999CA-2355226]
<b>PR</b>	-	US 216529/98-A 19981218 [1998US-0216529] WO 9930143/99(US)-W 19991217 [1999WO-US30143]
<b>IC</b>	-	A47L-009/16

## 1 / 1 LEGALI - ©EPO

<b>PN</b>	-	WO200035330 A2 20000622 [WO200035330]WO200035330 A3 20001109 [WO2000
<b>AP</b>	-	WOUS9930143 19991217 [1999WO-US30143]
<b>DT</b>	-	WO-P; WO-A3; JP-A; CA-A
<b>ACTE</b>	-	20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP  20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUEN PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED I APPLICATION  20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE  20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP  20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUEN PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  20010614 WO/ENP-A3

Questel·Orbit QWEB

		ENTRY INTO THE NATIONAL PHASE IN: (CA 2355226A [CA2355226])
		20010618 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (JP 2000 587655A [JP2000 587655])
UP	-	2003-22

2 / 28 INPADOC - ©INPADOC

PN	-	EP 1052924 A1 20001122 [EP1052924]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 98952175/98-A 19981008 [1998EP-0952175]
PR	-	EP 98952175/98-A 19981008 [1998EP-0952175] EP 98104806/98-A 19980317 [1998EP-0104806] WO 9821265/98(US)-W 19981008 [1998WO-US21265] US 4999/98-A 19980109 [1998US-0004999] US 122541/98-A 19980724 [1998US-0122541]
IC	-	A47L-009/16
DS	-	AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* P

1 / 1 LEGALI - ©EPO

PN	-	EP1052924 A1 20001122 [EP1052924]
AP	-	EP98952175 19981008 [1998EP-0952175]
DT	-	EP-A
ACTE	-	20001122 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  20001122 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 20000718
UP	-	2003-22

3 / 28 INPADOC - ©INPADOC

PN	-	EP 1139843 A2 20011010 [EP1139843]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW

Questel-Orbit QWEB

LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 99967398/99-A 19991217 [1999EP-0967398]
PR	-	WO 9930143/99(US)-W 19991217 [1999WO-US30143] US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-005/00
DS	-	AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* P

1 / 1 LEGALI - ©EPO

PN	-	EP1139843 A2 20011010 [EP1139843]
AP	-	EP99967398 19991217 [1999EP-0967398]
DT	-	EP-A
ACTE	-	20011010 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  20011010 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 20010618
UP	-	2003-22

4 / 28 INPADOC - ©INPADOC

PN	-	EP 928594 A1 19990714 [EP-928594]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT A [US]; STEPHANS PAUL D [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	EP 98104806/98-A 19980317 [1998EP-0104806]
PR	-	US 4999/98-A 19980109 [1998US-0004999]
IC	-	A47L-009/16; A47L-009/12; A47L-005/28
DS	-	AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT* SE

1 / 1 LEGALI - ©EPO

PN	-	EP0928594 A1 19990714 [EP-928594]
AP	-	EP98104806 19980317 [1998EP-0104806]

DT	-	EP-A
ACTE	-	19990714 EP/AK-A [+] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  19990714 EP/AX-A [+] EXTENSION OF THE EUROPEAN PATENT TO AL;LT;LV;MK;RO;SI  19990714 EP/17P-A [+] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19980317  20000322 EP/AKX-A [+] PAYMENT OF DESIGNATION FEES AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  20011114 EP/17Q-A [+] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010926
UP	-	2003-22
5 / 28 INPADOC - ©INPADOC		
PN	-	JP 2002532122 T2 20021002 [JP2002532122]
AP	-	JP 2000587655/00-A 19991217 [2000JP-0587655]
PR	-	US 216529/98-A 19981218 [1998US-0216529] WO 9930143/99(US)-W 19991217 [1999WO-US30143]
IC	-	A47L-005/28; A47L-009/16
6 / 28 INPADOC - ©INPADOC		
PN	-	US 6026540 A 20000222 [US6026540]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT A [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 122541/98-A 19980724 [1998US-0122541]
PR	-	US 122541/98-A 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10
1 / 1 LEGALI - ©EPO		

Questel·Orbit QWEB

PN	-	US6026540 A 20000222 [US6026540]
AP	-	US12254198 19980724 [1998US-0122541]
DT	-	US-A
ACTE	-	20020827 US/RF-A REISSUE APPLICATION FILED EFFECTIVE DATE: 20020212
UP	-	2003-22

7 / 28 INPADOC - ©INPADOC

PN	-	US 6070291 A 20000606 [US6070291]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 216529/98-A 19981218 [1998US-0216529]
PR	-	US 216529/98-A 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

8 / 28 INPADOC - ©INPADOC

PN	-	US 6260234 BA 20010717 [US6260234]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 415363/99-A 19991008 [1999US-0415363]
PR	-	US 415363/99-A 19991008 [1999US-0415363] US 4999/98-A2 19980109 [1998US-0004999] US 122541/98-A2 19980724 [1998US-0122541]
IC	-	A47L-009/16

9 / 28 INPADOC - ©INPADOC

PN	-	US 2001010108 AA 20010802 [US20010010108]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]

Questel-Orbit QWEB

AP	-	US 818441/01-A 20010327 [2001US-0818441]
PR	-	US 818441/01-A 20010327 [2001US-0818441] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

10 / 28 INPADOC - ©INPADOC

PN	-	US 2001010107 AA 20010802 [US20010010107]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818431/01-A 20010327 [2001US-0818431]
PR	-	US 818431/01-A 20010327 [2001US-0818431] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

11 / 28 INPADOC - ©INPADOC

PN	-	US 2001011402 AA 20010809 [US20010011402]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818756/01-A 20010327 [2001US-0818756]
PR	-	US 818756/01-A 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

12 / 28 INPADOC - ©INPADOC

PN	-	US 2001039692 AA 20011115 [US20010039692]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW



Questel-Orbit QWEB

IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 900557/01-A 20010706 [2001US-0900557]
PR	-	US 900557/01-A 20010706 [2001US-0900557] US 415363/99-A1 19991008 [1999US-0415363] US 216529/98-A2 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16; B01D-050/00
13 / 28 INPADOC - ©INPADOC		
PN	-	US 6353963 BA 20020312 [US6353963]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 461120/99-A 19991214 [1999US-0461120]
PR	-	US 461120/99-A 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10
14 / 28 INPADOC - ©INPADOC		
PN	-	US 6401295 BB 20020611 [US6401295]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 818431/01-A 20010327 [2001US-0818431]
PR	-	US 818431/01-A 20010327 [2001US-0818431] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/12
15 / 28 INPADOC - ©INPADOC		

Questel·Orbit QWEB

PN	-	US 2002095742 AA 20020725 [US20020095742]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
AP	-	US 94675/02-A 20020311 [2002US-0094675]
PR	-	US 94675/02-A 20020311 [2002US-0094675] US 461120/99-A1 19991214 [1999US-0461120] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

16/28 INPADOC - ©INPADOC

PN	-	US 6463622 BB 20021015 [US6463622]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 900557/01-A 20010706 [2001US-0900557]
PR	-	US 900557/01-A 20010706 [2001US-0900557] US 415363/99-A1 19991008 [1999US-0415363] US 216529/98-A2 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 2002174509 AA 20021128 [US20020174509]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
AP	-	US 162523/02-A 20020604 [2002US-0162523]
PR	-	US 162523/02-A 20020604 [2002US-0162523] US 818431/01-A1 20010327 [2001US-0818431] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A1 19980724 [1998US-0122541] US 4999/98-A1 19980109 [1998US-0004999]
IC	-	A47L-009/12

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18 / 28 INPADOC - ©INPADOC

PN	-	US 2003014830 AA 20030123 [US20030014830]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 244900/02-A 20020917 [2002US-0244900]
PR	-	US 244900/02-A 20020917 [2002US-0244900] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/10

19 / 28 INPADOC - ©INPADOC

PN	-	US 2003024069 AA 20030206 [US20030024069]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 218231/02-A 20020813 [2002US-0218231]
PR	-	US 218231/02-A 20020813 [2002US-0218231] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 2003037406 AA 20030227 [US20030037406]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]; CIPOLLA MARK E [US]; BARBECK CRAIG J [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 271037/02-A 20021015 [2002US-0271037]
PR	-	US 271037/02-A 20021015 [2002US-0271037]

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		US 900557/01-A1 20010706 [2001US-0900557]
		US 415363/99-A1 19991008 [1999US-0415363]
		US 216529/98-A2 19981218 [1998US-0216529]
		US 4999/98-A2 19980109 [1998US-0004999]

IC	-	A47L-009/16
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PN	-	US 6588055 BB 20030708 [US6588055]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	NAT CITY BANK [US]
AP	-	US 818756/01-A 20010327 [2001US-0818756]
PR	-	US 818756/01-A 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/12

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PN	-	US 6588054 BB 20030708 [US6588054]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	NAT CITY BANK [US]
AP	-	US 818441/01-A 20010327 [2001US-0818441]
PR	-	US 818441/01-A 20010327 [2001US-0818441] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 476983 S1 20030708 [USD-476983]
TI	-	KEY BUTTONS FOR A HANDSET
IN	-	SALMI PERTTI [FI]
PA	-	NOKIA CORP [FI]

Questel·Orbit QWEB

AP	-	US 162523/02-D 20020617 [2002US-0162523]
PR	-	US 162523/02-D 20020617 [2002US-0162523]

24 / 28 INPADOC - ©INPADOC

PN	-	US 6591446 BB 20030715 [US6591446]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIR FLOW
IN	-	BAIR KENNETH W [US]; GIBBS RICHARD C [US]; REINDLE MARK E [US]; W MICHAEL F [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 244900/02-A 20020917 [2002US-0244900]
PR	-	US 244900/02-A 20020917 [2002US-0244900] US 818756/01-A1 20010327 [2001US-0818756] US 461120/99-A3 19991214 [1999US-0461120] US 216529/98-A1 19981218 [1998US-0216529] US 122541/98-A2 19980724 [1998US-0122541] US 4999/98-A2 19980109 [1998US-0004999]
IC	-	A47L-009/16

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PN	-	US 6003196 A 19991221 [US6003196]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
IN	-	WRIGHT MICHAEL F [US]; THUR CHARLES J [US]; LATIMER BRETT [US]; STEPHENS PAUL D [US]
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	US 4999/98-A 19980109 [1998US-0004999]
PR	-	US 4999/98-A 19980109 [1998US-0004999]
IC	-	A47L-009/10

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PN	-	WO 200035330 A2 20000622 [WO200035330]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F; BAIR KENNETH W; GIBBS RICHARD C; REINDLE MA
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9930143/99(US)-A 19991217 [1999WO-US30143]
PR	-	US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-005/00

DS	-	CA* JP* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
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1 / 1 LEGALI - ©EPO

PN	-	WO200035330 A2 20000622 [WO200035330]WO200035330 A3 20001109 [WO2000
AP	-	WOUS9930143 19991217 [1999WO-US30143]
DT	-	WO-P; WO-A3; JP-A; CA-A
ACTE	-	<p>20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUEN PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED I APPLICATION</p> <p>20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE</p> <p>20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUEN PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20010614 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (CA 2355226A [CA2355226])</p> <p>20010618 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (JP 2000 587655A [JP2000 587655])</p>
UP	-	2003-22

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PN	-	WO 200035330 A3 20001109 [WO200035330]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG

Questel-Orbit QWEB

IN	-	WRIGHT MICHAEL F; BAIR KENNETH W; GIBBS RICHARD C; REINDLE MA
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9930143/99(US)-A 19991217 [1999WO-US30143]
PR	-	US 216529/98-A 19981218 [1998US-0216529]
IC	-	A47L-009/16
DS	-	CA* JP* AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 1 LEGALI - ©EPO

PN	-	WO200035330 A2 20000622 [WO200035330]WO200035330 A3 20001109 [WO2000
AP	-	WOUS9930143 19991217 [1999WO-US30143]
DT	-	WO-P; WO-A3; JP-A; CA-A
ACTE	-	<p>20000622 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20000622 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUE PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20000816 WO/121-A3 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED I APPLICATION</p> <p>20000831 WO/DFPE-A3 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE</p> <p>20001109 WO/AK-A3 [+] DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH RE CA JP</p> <p>20001109 WO/AL-A3 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUE PUBLISHED SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE</p> <p>20010614 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (CA 2355226A [CA2355226])</p> <p>20010618 WO/ENP-A3 ENTRY INTO THE NATIONAL PHASE IN: (JP 2000 587655A [JP2000 587655])</p>
UP	-	2003-22

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PN	-	WO 9934722 A1 19990715 [WO9934722]
TI	-	UPRIGHT VACUUM CLEANER WITH CYCLONIC AIRFLOW
LA	-	ENG
IN	-	WRIGHT MICHAEL F; THUR CHARLES J; LATIMER BRETT; STEPHENS PAUL CIPOLLA MARK E
PA	-	ROYAL APPLIANCE MFG [US]
AP	-	WO US 9821265/98(US)-A 19981008 [1998WO-US21265]
PR	-	EP 98104806/98-A 19980317 [1998EP-0104806] US 4999/98-A 19980109 [1998US-0004999] US 122541/98-A 19980724 [1998US-0122541]
IC	-	A47L-009/16
DS	-	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

## 1 / 1 LEGALI - ©EPO

PN	-	WO9934722 A1 19990715 [WO9934722]
AP	-	WOUS9821265 19981008 [1998WO-US21265]
DT	-	WO-P; WO-A1
ACTE	-	19990715 WO/AL-A1 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  19990805 WO/DFPE-A1 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION 19TH MONTH FROM PRIORITY DATE  19990915 WO/121-A1 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED I APPLICATION
UP	-	2003-22